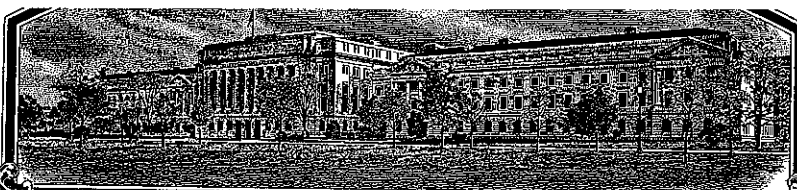


No.

200200219



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

DIY International Seeds

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RYEGRASS, PERENNIAL

'Stellar'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this eleventh day of August, in the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER JAW 1/14/05 DLF Cebeco International Seeds, Inc.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME CIS-PR 72	3. VARIETY NAME Stellar
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) PO Box 229 Halsey, OR 97348 USA		5. TELEPHONE (include area code) 541-369-2251	FOR OFFICIAL USE ONLY PVPO NUMBER 200200219
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION Oregon	9. DATE OF INCORPORATION 1972
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) JAW 3/14/05 DLF Cebeco International Seeds, Inc. PO Box 229 Halsey, OR 97348		FILING AND EXAMINATION FEES: \$ 2705- DATE 8/8/2002 CERTIFICATION FEE: \$ 768 DATE 4/22/08	
11. TELEPHONE (include area code) 541-369-2251	12. FAX (include area code) 541-369-2251 (BT: 7/29/2005)	13. E-MAIL JAW 7/18/2008 STEVER@intlseed.com	14. CROP KIND (Common Name) Perennial Ryegrass
15. GENUS AND SPECIES NAME OF CROP Lolium perenne		16. FAMILY NAME (Botanical) Graminae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 63(a) of the Plant Variety Protection Act <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)	
		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER Stephen W. Johnson		SIGNATURE OF OWNER	
NAME (Please print or type) Stephen W. Johnson		NAME (Please print or type)	
CAPACITY OR TITLE Director of Research	DATE 7-24-02	CAPACITY OR TITLE	DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable, (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705.

Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotope, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

5&T-470 (07-01) designed by the Plant Variety Protection Office with WordPerfect 9.0. Replaces STD-470 (04-01) which is obsolete.

Exhibit A

ORIGIN AND BREEDING HISTORY OF STELLAR (CIS-PR 72) PERENNIAL RYEGRASS

Stellar perennial ryegrass (*Lolium perenne* L.) is a turf-type cultivar selected from the progenies of 25 clones. Nineteen of the clones were from SJSPR, a population obtained by Cebeco International Seeds from the New Jersey Agricultural Experiment Station. The other six clones were selected from CIS-PR 24, a population developed by Cebeco International Seeds using selections out of the variety Gator 2.

Over 80 percent of the parental germplasm used in the development of SJSPR originated from plants selected from old turfs of the Mid-Atlantic region of the United States. Additional germplasm traces to plants selected from or related to Manhattan II, Citation II All*Star, Jazz, Loretta and PI 231,597 from Greece. Most of the parental germplasm of Manhattan II, Citation II, All*Star and Jazz also traces to collections from old turfs in the United States.

The majority of the parental germplasm of SJSPR originated from a program to improve perennial ryegrass for turf use initiated by the New Jersey Agricultural Experiment Station. Starting in 1962 a search was made to locate elite perennial ryegrass plants thriving in old turfs throughout much of the United States. The most promising plants were found in warm, humid parts of New York City, New Jersey, Pennsylvania and Maryland. The size, location and appearance of these plants indicated that they originated from seedings made prior to 1940. Clonal evaluation and progeny tests conducted under turf maintenance showed that they had dramatically improved turf performance compared to any other perennial ryegrass available at the time, a darker green color, a lower growth profile and improved resistance to many of the diseases, insects and environmental stresses common to the Mid-Atlantic region of the United States.

An examination of thousands of old lawns, parks, sports fields, cemeteries and golf courses starting in 1962 showed that of the billions of ryegrass seeds used to establish these turfs only a few produced plants able to persist and grow to produce attractive individual plants that were at least three feet in diameter. The most attractive plants were found east of the sheep meadow in Central Park in New York City, in southeast Pennsylvania (the parents of Pennfine and Birdie perennial ryegrasses); in Paterson Park, Riverside Park and a school playground in Baltimore, Maryland; the campus lawn of the University of Maryland, College Park, Maryland; Warinaco Park, Elizabeth, New Jersey; and the Colonia and Atlantic City golf courses near Colonia New Jersey and Atlantic City New Jersey.

Tillers obtained from these selected plants were subsequently evaluated in frequently mowed turf trials. Plants obtained from crosses of the best performing clones were subsequently selected to initiate a long-term germplasm enhancement program using many cycles of phenotypic and genotypic recurrent selection. Phenotypic selection involved (1) selection of darker green, more compact, disease-free, highly tillering seedlings during winter greenhouse tests; (2) inoculation and selecting for resistance to crown rust; (3)

selection of attractive, leafy lower-growing, dark-green plants showing higher seed yielding potential in spaced-plant nurseries; (4) selecting attractive plants surviving in closely mowed turf trials subjected to stresses of heat, drought, disease, insects and winter cold. Genotypic selection included extensive evaluation of single-plant progenies in closely mowed turf trials and spaced-plant nurseries. Additional germplasm was added to the program as opportunities developed. Separated breeding composites were developed to help maintain genetic diversity and reduce inbreeding.

Following varying cycles of phenotypic and genotypic recurrent selection a several plants were crossed at Adelphia, New Jersey in 1997. Each plant crossed was harvested individually. A portion of the seed from 35 of the plants was used to establish progeny turf plots at Adelphia in the fall of 1997. This group of progenies was designated SJSPR and the individual progenies were numbered 1-35. Residual seed from the 35 SJSPR progenies was sent to Cebeco International Seeds, Inc.'s research station near Tangent, Oregon where in the fall of 1997 it was used to establish a spaced-plant nursery consisting of three replications of 30 plants from each family.

During the spring of 1998 19 early maturing, fine leaved, dark green plants were selected from 14 of the families in the SJSPR nursery that had good performance in turf plots in New Jersey. The families and the number of plants from the family are listed below:

<u>SJSPR</u>	<u>No. plants</u>	<u>SJSPR</u>	<u>No. plants</u>
<u>Family</u>	<u>Selected</u>	<u>Family</u>	<u>Selected</u>
2	1	18	1
6	2	25	2
7	1	26	1
10	1	28	1
13	2	32	1
14	1	34	2
17	1	35	2

Also in the spring of 1998, six early maturing, fine leaved, dark green plants were selected from a separate spaced-plant nursery grown from seed of CIS-PR 24. CIS-PR 24 was developed by crossing 25 plants selected out of a Gator 2 breeder seed nursery.

These plants selected from SJSPR and CIS-PR 24 were placed together in an isolated nursery and allowed to randomly inter-pollinate. Following seed set all of the plants were harvested and the seed was bulked. In the fall of 1998 seed from the bulk was used to establish a 1200 plant spaced-plant nursery at Cebeco International Seeds Research Station. Prior to anthesis in 1999 approximately 50% of the plants in the nursery were removed. Plants that were rogued from the nursery had one or more of the following traits: coarse leaves, lighter green color, high susceptibility to stem rust, susceptibility to leaf spot, or late maturity. The plants that remained in the nursery were allowed to interpollinate. Seed harvested from these plants was bulk harvested and constitutes the stock seed for the variety Stellar (experimental CIS-PR 72). A portion of this seed is maintained by Cebeco International Seeds and may be used to plant new breeder seed fields when necessary.

The variety Stellar has appeared uniform and stable during multiplication from breeder to foundation generations. Stellar has a small percentage ($<0.5\%$) of plants that are somewhat taller and coarser than the rest of the population. The percentage of these plants appears to be stable when seed is multiplied from breeder to foundation generation.

Exhibit BNovelty Statement

Stellar perennial ryegrass (*Lolium perenne* L.) is a medium maturity variety developed for use in turf.

Stellar is most similar to Brightstar II. Differences between Stellar and Brightstar II include, but are not necessarily limited to the following:

1. Stellar has significantly greater resistance to leaf spot when the cultivars are grown as turf in western Oregon (7.1 vs. 5.3 on 9=no disease scale).
2. Stellar heads three days earlier in western Oregon.
3. Stellar has a lower average weight for 10 spikes (2547 mg vs. 3032 mg).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN AND SEED DIVISION
BELTSVILLE, MARYLAND 20705
OBJECTIVE DESCRIPTION OF CULTIVARS
RYEGRASS
(*Lolium* spp.)

EXHIBIT C
(Ryegrass)

NAME OF APPLICANT(S)

VARIETY NAME OR TEMPORARY DESIGNATION

DLF-Cobee International Seeds, Inc.

Stellar

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)

FOR OFFICIAL USE ONLY

PVPO NUMBER

200200219

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in first box (e.g. 089 or 09) when number is either 99 or less or 9 or less. Descriptions of characters should represent those that are typical for the variety. Ranges may be given also. Measured data should be for SPACED PLANTS. Give additional description for all characteristics that cannot be adequately described in the form below. Append all pertinent comparative trial and evaluation data. The symbol "▲" indicates decimal.

1. SPECIES:

2 1 = L. MULTIFLORUM (annual or Italian: includes *Westerwoldicum*) 2 = L. PERENNE (perennial) 3 = L. RIGIDUM (includes *Wimmera*)
4 = HYBRID (of species) 5 = OTHER (Specify)

2. PLOIDY:

1 1 = DIPLOID 2 = TETRAPLOID 3 = OTHER (Specify)

3. DURATION:

3 1 = ANNUAL OR BIENNIAL 2 = SHORT LIVED PERENNIAL (3-4 years) 3 = PERENNIAL (more than 4 years)

STANDARD CULTIVARS

1 = GULF 2 = WIMMERA 62 3 = LINN 4 = PELO
5 = NORLEA 6 = ABERYSTWYTH S-23 7 = MANHATTAN 8 = PENNFINE

4. MATURITY (50% HEADED) Use standards from above for comparison:

5 1 = VERY EARLY 3 = EARLY 0 9 DAYS EARLIER THAN 7 STANDARD CULTIVAR
5 = MEDIUM 7 = LATE 1 4 DAYS LATER THAN 3 STANDARD CULTIVAR
9 = VERY LATE

5. MATURE PLANT HEIGHT (Use standard cultivars from above):

5 1 0 CM. HIGH 6 6 CM. SHORTER THAN 7 STANDARD CULTIVAR
1 0 1 CM. TALLER THAN Elka STANDARD CULTIVAR

6. PERCENT WINTER DAMAGE (estimated as percent of the area appearing dead). Use standard cultivars from above for comparison:

0 PERCENT DAMAGE OF APPLICATION CULTIVAR (No winter damage observed in trial
grown in western Oregon)
PERCENT DAMAGE OF STANDARD CULTIVAR

7. TURF DENSITY Use standard cultivars from above:

3 5 5 TILLERS PER 100 SQ. CM.
LESS TILLERS PER 100 SQ. CM. THAN STANDARD CULTIVAR
7 6 MORE TILLERS PER 100 SQ. CM. THAN STANDARD CULTIVAR Derby Supreme

8. FLAG LEAF (at full growth) Use standard cultivars from above:

1 2 0 CM. LENGTH (from ligule to tip) 3 2 MM. WIDTH (at widest point)
3 9 CM. SHORTER THAN Derby Supreme STANDARD CULTIVAR 7 FLAG LEAF AT BOOT STAGE: 1 = DEFLEXED
CM. LONGER THAN STANDARD CULTIVAR 3 = RECURVED
MM. NARROWER THAN STANDARD CULTIVAR 5 = HORIZONTAL
MM. WIDER THAN STANDARD CULTIVAR 7 = SEMI-ERECT
9 = ERECT

STANDARD CULTIVARS

1 - GULF
5 - NORLEA

2 - WIMMERA 62
6 - ABERYSTWYTH S-23

3 - LINN
7 - MANHATTAN

4 - PELO
8 - PENNFINE

9. LEAVES:

3 VERNATION: 1 = LEAVES ROLLED IN YOUNG SHOOTS
2 = LEAVES SEMI-ROLLED (folded with rolled edges)
3 = LEAVES FOLDED IN YOUNG SHOOTS

9 0 % PLANTS WITH ANTHOCYANIN IN LOWER LEAF SHEATH

3 FOLIAGE COLOR: 1 = YELLOW GREEN
2 = MEDIUM GREEN
3 = BLUE GREEN

10. SPIKE:

1 5 0 MM. SPIKE LENGTH (tip to internode below lowest floret)

2 9 MM. SHORTER THAN 7 }
MM. LONGER THAN } USE STANDARD CULTIVARS FROM ABOVE

2 5 4 7 MG. PER TEN SPIKES (trimmed to internode below lowest floret)

4 8 5 MG. LIGHTER PER TEN SPIKES THAN }
MG. HEAVIER PER TEN SPIKES THAN } Brightstar II
USE STANDARD CULTIVARS FROM ABOVE

1 1 FLORETS PER SPIKELET

PERCENTAGE OF PLANTS WITH:

RACHIS: 1 0 0 % SMOOTH % ROUGH

SPIKE COLOR: 4 6 % GREEN 5 4 % PURPLE

LEMMA: 0 % AWNED 0 MM. AWN LENGTH

7 6 MM. GLUME LENGTH

2 1 = SPIKELET LENGTH NEARLY EQUAL TO OUTER GLUMES
2 = SPIKELET LENGTH MUCH LONGER THAN OUTER GLUMES

11. COLEOPTILE:

6 0 % PLANTS WITH ANTHOCYANIN IN COLEOPTILE

12. ANTHOR COLOR:

7 2 % PLANTS WITH WHITE ANTHERS 2 4 % PLANTS WITH YELLOW ANTHERS
4 % PLANTS WITH PURPLE ANTHERS

13. ROOT AND PLANT CHARACTERS:

3 5 % PLANTS WITH PROSTRATE GROWTH HABIT 2 2 0 % PLANTS WITH FLUORESCENT ROOTS
6 5 % PLANTS WITH UPRIGHT GROWTH HABIT

14. SEED:

1 6 0 4 MG. PER 1,000 SEED

48.5
3/16/06 4 8.5
1 2 3

MM. TOTAL LENGTH OF 10 SEEDS

1 3 4 MM. TOTAL WIDTH OF TEN SEEDS

15. DISEASE (0 = NOT TESTED, 2 = HIGHLY SUSCEPTIBLE, 4 = MODERATELY SUSCEPTIBLE, 6 = MODERATELY RESISTANT, 8 = HIGHLY RESISTANT):

<input type="text" value="7"/> CROWN RUST (<i>Puccinia coronata</i>)	<input type="text" value="7"/> DOLLAR SPOT (<i>Sclerotinia</i>)	<input type="text" value="0"/> BROWN PATCH (<i>Rhizoctonia</i>)
<input type="text" value="7"/> LEAF SPOT (<i>Helminthosporium</i>)	<input type="text" value="0"/> MILDEW	<input type="text" value="0"/> OTHER (Specify) _____
<input type="text" value="0"/> SNOW MOLD (<i>Typhula</i>)	<input type="text" value="0"/> RED THREAD (<i>Corticium</i>)	

16. INSECT (0 = NOT TESTED, 2 = HIGHLY SUSCEPTIBLE, 4 = MODERATELY SUSCEPTIBLE, 6 = MODERATELY RESISTANT, 8 = HIGHLY RESISTANT):

(Specify) _____

17. GIVE RESEMBLANCE VALUE IN LEFT COLUMN AND VARIETY CODE NUMBER IN RIGHT COLUMN FOR VARIETY WITH WHICH COMPARISON IS MADE (1 = LESS THAN, 2 = SAME AS, 3 = MORE ERECT, MORE RESISTANT, DENSER, MORE PERSISTENT, DARKER OR GREATER HEIGHT.):

RESEMBLANCE	CHARACTER	SIMILAR VARIETY
<input type="text" value="3"/>	PLANT HABIT (erectness)	<input type="text" value="9"/> 1 = GULF
<input type="text" value="2"/>	TILLERING	<input type="text" value="9"/> 2 = WIMMERA 62
<input type="text" value="2"/>	WINTER HARDINESS	<input type="text" value="9"/> 3 = LINN
<input type="text" value="2"/>	HIGH TEMP. STRESS RESISTANCE	<input type="text" value="9"/> 4 = PELO
<input type="text" value="2"/>	TURF PERSISTENCE	<input type="text" value="9"/> 5 = NORLEA
<input type="text" value="2"/>	PLANT COLOR	<input type="text" value="9"/> 6 = ABERYSTWYTH S-23
<input type="text" value="3"/>	VERTICAL SEEDLING GROWTH RATE	<input type="text" value="9"/> 7 = MANHATTAN
<input type="text" value="2"/>	CROWN DENSITY	<input type="text" value="9"/> 8 = PENNFINE
<input type="text" value="2"/>	MOWER SHREDDING RESISTANCE	<input type="text" value="9"/> 9 = Brightstar II

18. GIVE AREA OF ADAPTATION AND INTENDED USE: Stellar's area of adaptation includes western OR, Turf

19. GIVE AREA TEST RESULTS PRESENTED FROM: Tangent, Oregon - Concord silty loam

COMMENTS:

EXHIBIT D

Table 1.

Heading dates of perennial ryegrass
varieties grown near Tangent, Oregon
in 2000 and 2001.

NAME	2000 Heading Date	2001 Heading Date	00-01 Heading Date Average
Linn	May 2	May 8	May 5
Manhattan II	May 15	May 19	May 17
Derby Supreme	May 16	May 18	May 17
Pinnacle	May 16	May 19	May 18
STELLAR	May 17	May 21	May 19
Essence	May 18	May 24	May 21
Kokomo	May 20	May 23	May 22
Brightstar II	May 20	May 24	May 22
All*Star2	May 21	May 25	May 23
Gator3	May 21	May 25	May 23
Cabo	May 22	May 26	May 24
CIS-PR 84	May 22	May 26	May 24
CIS-PR 75	May 22	May 27	May 25
Manhattan	May 27	May 29	May 28
Elka	June 5	June 6	June 6

Table 2.

Morphology of perennial ryegrass varieties grown near Tangent, Oregon in 2000 and 2001. Trial consisted of three replications with 20 plants per replication. LSD determined from two-way analysis of variance.

NAME	2000		2001		00-01 Avg.		2000		2001		00-01 Avg.		2000		2001		00-01 Avg.	
	Plant Height (cm)	Plant Height (cm)	Spike Length (cm)	Spike Length (cm)	00-01 Avg. Spike Length (cm)	First Internode Length (cm)	First Internode Length (cm)	Flag Leaf Length (cm)	Flag Leaf Length (cm)	First Internode Length (cm)	First Internode Length (cm)	00-01 Avg. Flag Leaf Length (cm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Flag Leaf Width (mm)	First Internode Length (cm)	First Internode Length (cm)	00-01 Avg. Flag Leaf Length (cm)
Linn	83.2	70.2	22.4	17.9	20.1	26.5	17.9	15.7	14.2	22.2	14.9	14.9	14.2	3.5	3.5	15.7	14.2	14.9
Derby Supreme	79.3	66.4	24.0	17.8	20.9	25.0	17.7	17.2	14.5	21.4	15.9	15.9	14.5	3.8	4.1	17.2	14.5	15.9
Manhattan II	71.2	61.4	22.3	16.6	19.4	23.4	15.6	15.1	11.5	19.5	13.3	13.3	11.5	3.6	3.8	19.5	11.5	13.3
Pinnacle	64.1	53.4	19.2	14.7	16.9	23.2	14.1	14.1	11.9	18.7	13.0	13.0	11.9	3.3	3.4	14.1	11.9	13.0
Essence	63.3	48.9	19.4	15.7	17.5	22.1	14.2	14.6	12.0	18.1	13.3	13.3	12.0	3.5	4.1	18.1	12.0	13.3
Manhattan	62.8	52.3	20.3	15.6	17.9	18.3	12.4	15.6	10.9	15.4	13.2	13.2	10.9	3.8	4.0	15.4	10.9	13.2
Brightstar II	59.2	47.9	16.1	15.4	15.8	17.4	11.5	11.0	12.3	14.4	11.7	11.7	12.3	3.3	3.8	14.4	12.3	11.7
Alt*Star II	57.3	43.0	16.2	14.7	15.5	16.6	14.9	14.1	11.5	15.8	12.8	12.8	11.5	3.2	3.8	14.9	11.5	12.8
CIS-PR 84	57.3	45.2	17.0	14.3	15.7	18.3	14.1	13.8	12.8	16.2	13.3	13.3	12.8	3.4	3.8	16.2	12.8	13.3
Gator 3	56.7	44.7	17.1	14.8	16.0	16.5	16.8	13.6	11.5	16.6	12.5	12.5	11.5	3.7	4.3	16.6	11.5	12.5
CIS-PR 75	56.3	44.2	17.9	13.5	15.7	19.0	14.6	12.9	9.7	16.8	11.3	11.3	9.7	3.4	3.8	16.8	9.7	11.3
Stellar	56.2	45.8	16.3	13.6	15.0	19.0	16.1	13.2	10.9	17.6	12.0	12.0	10.9	3.2	3.7	17.6	10.9	12.0
Cabo	55.9	44.6	16.9	13.8	15.3	18.3	17.5	12.5	12.0	17.9	12.2	12.2	12.0	3.5	3.9	17.5	12.0	12.2
Kokomo	55.5	44.5	17.2	13.3	15.2	16.3	10.1	14.7	10.6	13.2	12.6	12.6	10.6	3.3	3.6	13.2	10.6	12.6
Elka	42.7	39.0	16.5	14.6	15.6	12.0	11.4	12.6	11.2	11.7	11.9	11.9	11.2	3.6	4.4	11.4	11.2	11.9
LSD @ 0.05	6.1	3.2	2.3	1.9		3.7	3.7	2.9	2.6				2.6	0.9	0.5			

Table 3.

Tillers per 100 square centimeters of
Perennial ryegrass varieties grown
under turf culture near Tangent, Oregon

NAME	1999 Trial Tillers per 100 sq cm	2000 Trial Tillers per 100 sq cm	Average Tillers per 100 sq cm
Cabo	417	374	396
All*Star2	397	354	376
CIS-PR 84	382	350	366
Gator 3	377	362	369
CIS-PR 75	370	364	367
Top Hat	364	358	361
Stellar	363	347	355
Kokomo	359	369	364
Brightstar II	358	323	340
Essence	352	311	332
Derby Supreme	294	265	279
LSD @ 0.05	68	58	

Table 4.

Ratings of perennial ryegrass varieties grown under turf culture near Tangent, Oregon. Three replication trial established September 1999. LSD determined by two-way analysis of variance.

NAME	2000 Color 1-9 9=dark green	2001 Color 1-9 9=dark green	00-01 average Color 1-9 9=dark green	2000 Leaf Spot 1-9 9=no disease	2001 Leaf Spot 1-9 9=no disease	00-01 average Leaf Spot 1-9 9=no disease
All*Star2	7.5	7.8	7.7	7.7	6.5	7.1
CIS-PR 84	7.7	7.5	7.6	7.0	7.0	7.0
Stellar	6.8	7.3	7.1	7.7	6.5	7.1
Cabo	8.0	7.7	7.8	6.3	5.8	6.1
Pizzazz	7.7	6.8	7.3	7.3	6.7	7.0
Gator 3	7.0	6.8	6.9	7.8	6.5	7.2
Kokomo	6.8	6.7	6.8	7.7	7.0	7.3
R 8000	7.0	6.8	6.9	7.2	5.7	6.4
CIS-PR 75	8.0	6.8	7.4	6.8	5.5	6.2
PST-2BR	6.7	6.5	6.6	7.7	6.0	6.8
PST-2L96	7.2	7.0	7.1	7.3	5.2	6.3
PST-2A6B	6.8	6.5	6.7	5.7	5.3	5.5
CIS-PR 83	6.8	6.5	6.7	4.7	6.0	5.3
Brightstar II	7.0	6.7	6.8	5.8	4.7	5.3
PST-CRL	6.5	6.7	6.6	5.8	5.5	5.7
CIS-PR 82	6.3	7.2	6.8	5.8	5.7	5.8
MP 107	7.5	6.7	7.1	4.7	4.0	4.3
PST-2SLX	7.2	6.3	6.8	5.5	4.5	5.0
Paragon	5.7	5.8	5.8	6.3	5.2	5.8
Promise	6.7	6.5	6.6	6.0	5.0	5.5
MP 103	7.5	6.5	7.0	5.5	3.5	4.5
CIS-PR 77	7.0	6.8	6.9	4.5	4.8	4.7
CIS-PR 81	5.7	6.3	6.0	3.7	4.3	4.0
Palmer III	5.2	5.8	5.5	4.5	4.8	4.7
Ascend	6.3	6.0	6.2	5.2	4.7	4.9
Majesty	6.0	5.8	5.9	4.5	4.7	4.6
PST-2CRR	5.8	5.8	5.8	4.7	4.0	4.3
PST-2SBE	6.3	6.0	6.2	3.3	3.8	3.6
CIS-PR 91	6.0	6.2	6.1	4.7	4.7	4.7
CIS-PR 70	6.3	6.0	6.2	4.3	4.8	4.6
CIS-PR 74	5.2	5.2	5.2	3.8	4.5	4.2
PST-CATS	6.0	6.0	6.0	4.0	4.2	4.1
CIS-PR 76	6.2	6.0	6.1	5.3	4.5	4.9
PST-2LA	5.8	6.2	6.0	4.3	4.0	4.2
Divine	5.2	5.2	5.2	5.0	3.7	4.3
PST-2RT	5.7	5.7	5.7	4.7	4.0	4.3
CIS-PR 119	5.5	5.5	5.5	4.3	4.5	4.4
PST-2M4	5.7	5.8	5.8	5.5	4.5	5.0
Catalina	5.2	5.8	5.5	4.5	3.7	4.1
Top Hat	4.3	5.2	4.8	4.8	4.7	4.8
Platinum	4.8	5.0	4.9	4.0	4.7	4.3
Charger II	4.3	5.3	4.8	4.2	3.8	4.0
PST-2JH	5.7	5.2	5.4	4.2	3.5	3.8
Manhattan 3	5.7	5.8	5.8	4.2	3.8	4.0
Premier	4.5	4.7	4.6	2.8	4.3	3.6
Evita	2.3	3.8	3.1	4.8	5.5	5.2
Essence	4.3	4.5	4.4	3.3	3.5	3.4
Boulevard	4.2	4.5	4.3	2.7	4.3	3.5
Road Runner	4.5	4.8	4.7	4.3	4.0	4.2
Rhapsodie	2.7	3.3	3.0	5.2	5.0	5.1
Affinity	3.8	4.3	4.1	4.3	3.8	4.1
R2	3.0	4.0	3.5	2.7	3.8	3.3
Renoir	3.0	3.2	3.1	2.7	4.3	3.5
Avenue	3.7	3.7	3.7	1.8	3.0	2.4
Elka	3.2	3.2	3.2	1.5	4.5	3.0
Gator II	3.5	4.5	4.0	3.7	4.3	4.0
Dali	3.3	3.2	3.3	2.2	4.0	3.1
Chagall	2.8	3.2	3.0	2.7	4.0	3.3
Buccaneer	3.7	4.2	3.9	4.2	3.7	3.9
Milton	3.0	3.5	3.3	2.7	4.3	3.5
YatsuGreen	2.8	3.5	3.2	3.2	3.2	3.2
Derby Supreme	3.2	3.2	3.2	2.8	3.7	3.3
Linn	1.5	1.3	1.4	1.7	2.5	2.1
LSD @ 0.05	0.9	0.7		1.2	1.0	

Table 5.

Spike Characteristics of perennial ryegrass varieties grown near Tangent, Oregon in 2000 and 2001. Trial consisted of three replications with 20 plants per replication. LSD determined from two-way analysis of variance.

NAME	2000 Weight of 10 Spikes (mg)	2001 Weight of 10 Spikes (mg)	00-01 Weight of 10 Spikes (mg)	2000 Glume Length(mm)	2001 Glume Length(mm)	00-01 Glume Length(mm)	2000 Spikelet Length(mm)	2001 Spikelet Length(mm)	00-01 Spikelet Length(mm)	2000 No. of Florets	2001 No. of Florets	00-01 No. of Florets
Manhattan	3957	3167	3562	10.3	9.0	9.7	15.2	15.2	15.2	8.3	9.7	9.0
Linn	3730	2930	3330	14.0	11.7	12.8	19.5	16.6	18.1	9.7	9.7	9.7
Derby Supreme	3393	2853	3123	11.5	9.0	10.3	16.7	15.0	15.8	10.7	9.7	10.2
Brightstar II	3223	2840	3032	10.0	9.0	9.5	16.3	15.0	15.7	11.7	10.0	10.8
Manhattan II	3130	2693	2912	10.8	8.7	9.8	17.5	15.5	16.5	9.7	11.3	10.5
Essence	2870	2837	2853	10.3	8.5	9.4	12.7	13.0	12.8	9.7	10.3	10.0
Pinnacle	2843	2703	2773	9.7	7.7	8.7	17.0	15.0	16.0	11.7	11.0	11.3
Kokomo	2783	2523	2653	8.0	7.7	7.8	15.7	14.9	15.3	11.7	12.0	11.8
Stellar	2683	2410	2547	8.0	7.2	7.6	15.5	13.5	14.5	11.7	11.0	11.3
Cabo	2680	2707	2693	10.2	8.3	9.3	17.7	15.7	16.7	10.7	10.3	10.5
All*Star2	2600	2587	2593	9.2	7.7	8.4	14.0	14.2	14.1	12.0	10.3	11.2
CIS-PR 84	2493	2437	2465	7.0	7.5	7.2	12.8	10.5	11.7	10.7	9.3	10.0
Elka	2437	2480	2458	7.0	7.0	7.0	11.0	10.8	10.9	8.7	8.7	8.7
Gator3	2427	2380	2403	7.8	8.0	7.9	12.3	12.6	12.5	9.7	10.7	10.2
CIS-PR 75	2203	2230	2217	10.3	7.3	8.8	15.0	15.0	15.0	10.7	11.0	10.8
LSD @ 0.05	325	314		2.6	1.8		1.9	1.9		2.2	1.5	

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Table 6.

Seed Characteristics of perennial ryegrass varieties grown near Tangent, Oregon in 2000 and 2001. Trial consisted of three replications with 20 plants per replication. LSD determined from two-way analysis of variance.

NAME	2000		2001		00-01		2000		2001		00-01		2000		2001		00-01	
	1000 Seed Weight (mg)	1000 Seed Weight (mg)	1000 Seed Weight (mg)	1000 Seed Weight (mg)	1000 Seed Weight (mg)	1000 Seed Weight (mg)	10 Seed Length (mm)	10 Seed Length (mm)	10 Seed Length (mm)	10 Seed Length (mm)	10 Seed Length (mm)	10 Seed Length (mm)	10 Seed Width (mm)	10 Seed Width (mm)	10 Seed Width (mm)	10 Seed Width (mm)	10 Seed Width (mm)	10 Seed Width (mm)
Linn	3466.4	1971.9	1758.7	2719.2	2093.3	67.7	59.2	63.4	16.3	15.0	15.7	13.8	13.3	14.3	13.8	13.9	13.4	13.9
Derby Supreme	2427.8	1758.7	2093.3	2093.3	2093.3	53.0	43.5	48.3	13.3	14.3	13.8	13.9	14.0	13.8	13.5	14.5	13.8	13.6
Brightstar II	2376.7	1920.0	2148.3	2148.3	2148.3	54.3	44.8	49.6	14.0	13.5	13.4	13.9	13.3	14.5	13.8	13.5	13.9	13.6
Manhattan II	2281.1	1758.5	2019.8	2019.8	2019.8	63.3	54.1	58.7	13.3	14.5	13.9	13.6	13.3	14.5	13.8	13.5	13.9	13.6
Pinnacle	2213.2	1770.2	1991.7	1991.7	1991.7	59.3	55.7	57.5	13.3	14.5	13.9	13.6	13.3	14.5	13.8	13.5	13.9	13.6
Cabo	2154.2	1877.1	2015.6	2015.6	2015.6	54.0	44.9	49.5	13.3	14.5	13.9	13.6	13.3	14.5	13.8	13.5	13.9	13.6
Gator 3	2142.0	1874.5	2008.2	2008.2	2008.2	55.0	46.5	50.7	14.0	14.5	14.2	14.2	14.0	14.5	14.2	14.2	14.2	14.2
Kokomo	2116.3	1753.0	1934.6	1934.6	1934.6	56.0	53.3	54.6	13.3	15.1	14.2	14.2	13.3	15.1	14.2	14.2	14.2	14.2
All*Star2	2030.6	1837.0	1933.8	1933.8	1933.8	49.7	47.0	48.3	13.0	13.1	13.1	13.1	13.0	13.1	13.1	13.1	13.1	13.1
Manhattan	1978.6	1451.6	1715.1	1715.1	1715.1	60.7	52.6	56.6	13.0	14.3	13.7	13.7	13.0	14.3	13.7	13.7	13.7	13.7
CIS-PR 75	1946.8	1803.2	1875.0	1875.0	1875.0	51.3	45.3	48.3	13.3	12.8	13.1	13.1	13.3	12.8	12.8	13.1	13.1	13.1
Stellar	1762.0	1444.9	1603.5	1603.5	1603.5	53.0	43.9	48.5	12.3	14.5	13.4	13.4	12.3	14.5	13.4	13.4	13.4	13.4
Essence	1669.4	1638.9	1654.1	1654.1	1654.1	47.0	42.3	44.6	11.3	11.0	11.2	11.2	11.3	11.0	11.0	11.2	11.2	11.2
Elka	1530.6	1383.5	1457.0	1457.0	1457.0	51.7	44.0	47.8	12.0	12.2	12.1	12.1	12.0	12.2	12.2	12.1	12.1	12.1
CIS-PR 84	1439.5	1541.5	1490.5	1490.5	1490.5	51.7	42.3	47.0	12.0	12.4	12.2	12.2	12.0	12.4	12.4	12.2	12.2	12.2
LSD @ 0.05	243.7	164.2	2.8	4.7	0.8	1.2	0.8	1.2	0.8	1.2	1.2	1.2	0.8	1.2	1.2	1.2	1.2	1.2

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E

STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) 7ad DLF 3/14/05 Cebeco International Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER CIS-PR 72	3. VARIETY NAME Stellar
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP and Country) PO Box 229/175 West 'H' Street Halsey, OR 97348 USA	5. TELEPHONE (Include area code) 541-369-2251	6. FAX (Include area code) 541-369-2640
7. PVPO NUMBER 200200219		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. National or a U.S. based company? If no, give name of country ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

Stellar was developed by Cebeco International Seeds, Inc. using germplasm from its own breeding program as well as germplasm obtained from the New Jersey Agricultural Experiment Station.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

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